The Home Display

Is the Manual light on?

Yes⊳ No

Press or to change the output value for SP1.

To save the value press . Press to goto the next item.

Is the control equipped with a second setpoint?

Yes⊳ No

Press or to change the output value for SP2.

To save the value press — . Press 🖵

Is PCTO (Secondary Menu) on?

Yes⊳ No

275.0 63.9o

Press to go to the next item.

Is the control equipped with a second set point?

Yes⊳ No

To save the value press . Press .

The home display shows the input value (Process Variable) on the top display and the Set Point (Set Variable) on the bottom display. To reset an alarm press \(\bigcirc\) and \(\bigcirc\).

The Primary Menu

275.0 275.0

At the Home Display press \(\opi\) to go to the next item.

Is the Prog item on and the Status item turned on in the Secondary Menu?

Yes⊳ No

80 *Έ* ,

Display shows time remaining for current segment.

Press to go to the next item.

360

Display shows total time and segment number.

16t i

Press to go to the next item.

875 185P

Display shows segment set point and segment number.

Press to go to the next item.

Press or to change the value for SP1.

To save the value press. Press to go to the next item.

Is the control equipped with a second set point?

Yes⊳ No

275.0 502

Press or to change the value for SP2.

To save the value press . Press 💭 to go to the next item.

The Secondary Menu

275.0 275.0

At the Home Display press and and .

Is the control equipped with alarms?

Yes ► Is the low alarm enabled for alarm 1 in the Secure Menu?

No

250.0 Yes⊳

Press or to change the value for A1Lo.

To save the value press. Press to go to the next item.

Is the high alarm enabled for alarm 1 in the Secure Menu?

Yes⊳

Press or to change the value for A1Hi.

To save the value press . Press \tag to go to the next item.

Is the SP1 of the control equipped with on-off type output (relay, logic, or SSR)?

Yes ► Do you want simple on-off function?

No

Yes⊳ No

Press or to change the value for Out1 to OnOF.

To save the value press . Press to go to the next item.

Press \(\text{\rm or V} \) to change the value for SP1d (1 to full scale).

To save the value press . Press to go to the next item.

Does the control have a relay output on SP1?

Yes⊳ 10tP 0ut 1 No

Press \(\text{\text{or}} \) or \(\text{\text{V}} \) to change the value for Out1 (2 to 80 seconds).

To save the value press . Press to go to the next item.

Does the control have a pulsed DC or solid state relay output on SP1?

Yes⊳ No

<u>ዘ</u>ታዖ

Press or to change the value for Out1 to 1tP.

To save the value press . Press to go to the next item.

Is the output on SP1 controlling a solenoid for cooling?

3*P*uL Yes⊳ No

Press or to change the value for Out1 from 1PuL to 7PuL.

To save the value press Press to go to the next item.

There are no more choices for this setting. Please review and select one of the items above.

ProP

Indicates control SP1 is programmed for 0 to 20 mA proportional output. Menu Item can not be changed. See S1OL and S1OH for 4 to 20 mA programming,



Is the control equipped with SP2 and with an on-off type output (relay, logic, or SSR)?

Yes ► Do you want simple on-off function?

? Yes⊳ []nQF No Uubc

Press or to change the value for Out2 to OnOF.

To save the value press Press to go to the next item.

2 F 5828 7

Press or to change the value for SP2d (1 to full scale).

To save the value press . Press to go to the next item.

Does the control have a relay output on SP2?

Press or to change the value for Out2 (2 to 80 seconds).

To save the value press . Press to go to the next item.

Does the control have a logic or solid state relay output on SP2?

Ŷ Yes⊳ (וְצָּׁP) No (נוֹעָּבָׁ

Press or to change the value for Out2 to1tP.

To save the value press . Press to go to the next item.

Is the output on SP2 controlling a solenoid for cooling?

(?) Yes ⊳ (3PuL No (0ut2)

Press or to change the value for Out2 from 1PuL to 7PuL.

To save the value press . Press to go to the next item.

There are no more choices for this setting. Please review and select one of the items above.

Prop Out2

Indicates control SP2 is programmed for 0 to 20mA proportional output. Menu Item can not be changed. See S2OL and S2OH for 4 to 20 mA programming.

Do you want to use Self Tune?

Yes
 No

SELF EunE

Press or to select Self Tune.

To save the value press . Press . to go to the next item.

Do you want to start the Self Tune function now?

?> Yes⊳
No

YES LErn Press or to select yes.

To save the value press . Press to go to the next item.

LErn

Press or to select no.

To save the value press . Press . to go to the next item.

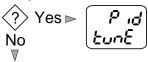
3 dFR(_

Press or to select the damping factor from off to 7.

To save the value press . Press . to go to the next item.

The Secondary Menu (Continued)

Do you want to manually tune the process?



Press or to select PID Tune.

To save the value press . Press . to go to the next item.

20

Press or to select the desired value.

To save the value press . Press . to go to the next item.

Is the control equipped with a second set point?



Press or to select the desired value.

To save the value press

Press to go to the next item.

5.0 -65

Press or to select the desired value.

To save the value press. Press to go to the next item.

0.82 rbE

Press or to select the desired value.

To save the value press Press to go to the next item.

Do you want to select the tuning preset for a slow process?



Press or to select the slow process tuning preset.

To save the value press . Press . to go to the next item.

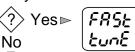
Do you want to select the tuning preset for a normal speed process?



Press or to select the normal tuning preset.

To save the value press . Press to go to the next item.

Do you want to select the tuning for a fast process?



Press or to select fast tuning preset.

To save the value press . Press . to go to the next item.

Is the control equipped with SP2?



Do you wish to link the SP1 reset and rate settings to SP2?





Press or to select on.

To save the value press . Press to go to the next item.



Press or to select off.

To save the value press . Press press to go to the next item.



Press or to turn Anti-Reset Windup On or OFF.

To save the value press . Press to go to the next item.



Press or to select approach rate from off to 99.99 minutes.

To save the value press . Press property to go to the next item.

The Secondary Menu (Continued)

[100 | F int] Press or to select fuzzy intensity from 0% (off) to 100% (full on).

To save the value press . Press to go to the next item.

[20] | Fbnd

Press or to select fuzzy bandwidth from 0 to 4000.

To save the value press . Press to go to the next item.

10.00 Fr&E

Press or to select fuzzy rate of change from 0.00 to 99.99 counts per second.

To save the value press . Press to go to the next item.

754.2 PER

Displays highest value detected on the input since last reset or power on.

To reset the value press . Press pto go to the next item.

73.8 URL

Displays lowest value detected on the input since last reset or power on.

To reset the value press . Press to go to the next item.

Do you want to display the percentage of output on the Home display?

Yes ►
 No

Press or to selecton.

To save the value press . Press to go to the next item.

05F P(60

Press or to select off.

To save the value press . Press to go to the next item.

Do you want to enable the ramp soak function?

Ŷ Yes⊳ |

Press or to select on.

To save the value press . Press to go to the next item.

OFF Prog Press or to select off.

To save the value press . Press pto go to the next item.

Do you want to access the ramp soak function menu items?

Yes ► |
 No

On.

P58E

Press or to select on.

To save the value press . Press to go to the next item.

Because of the complexity of the ramp soak functions, they are listed at the end of the chart. If PSEt is On, proceed to Ramp/Soak Section.

0FF P5EE

Press or to select off.

To save the value press . Press to go to the next item.

The Secondary Menu (Continued)

Do you need to adjust the Temperature display (PV) to match an external reference?

Yes Press or to add or subtract the amount needed to match your reference. To save the value press . Press to go to the next item.

Press to go to the next item.

Does the temperature display (PV) seem unstable (moves quickly from digit to digit)?

Press to decrease the display sensitivity (increase the filter constant).

To save the value press . Press to go to the next item.

Does the temperature display (PV) seem sluggish?

Press to decrease the display sensitivity (decrease the filter constant).

To save the value press . Press to go to the next item.

Do you wish to enable the loop break function?

Yes Press to set the time for the Loop Break function from 1 to 9999 seconds.

To save the value press Logo to the next item.

End of the Secondary Menu. See next page for Secure Menu.

The Secure Menu 275.0 At the Home Display press and . Hold both keys in for at least five seconds. Remember that all outputs are turned off while you are in the Secure Menu. Do you need to change the Security Access Code? Yes⊳ Press or to select the correct password for the level desired. 58[r To save the value press Press to go to the next item. No Press to go to the next item. J- 1[Press or to select the input type desired. InP To save the value press Press to go to the next item. Have you selected a current or voltage input? Yes ► Does your input start above zero? No Ûn. Yes⊳ Press or to select 20% input zero suppression. 05UP To save the value press Press to go to the next item. No OFF Press or to select zero based input. OSUP To save the value press Press to go to the next item. Press or to select display in °F, °C, or none. Un it To save the value press Press to go to the next item. 0.0 Press or to select desired decimal point position. dPt To save the value press Press to go to the next item. Do you want the outputs disabled if the sensor fails for a certain amount of time? Ш Yes⊳ Press or to select the amount of time allowed before output No shutoff. To save the value press Press to go to the next item. OFF. Press **V** to disable output shut off feature. InPt To save the value press Press to go to the next item. Do you want the outputs disabled if the rate of change on the input is too fast?

Do you want the outputs disabled if the rate of change on ?> Yes Press or to select the m

SEnC

Press or to select the maximum number of counts per second the input can move. To save the value press.

Press to go to the next item.

Press to disable output shut off feature.

To save the value press Press to go to the next item.

Continued...

No

16A Series Programming Flow Chart The Secure Menu (Continued) Press to go to thenext item. Do you want the outputs to be disabled on input failure? <?> Yes⊳ FR IL Press to select FAIL to disable outputs on input failure. inPb No To save the value press . Press . to go to the next item. Do you want the outputs to revert to the last good average output on input failure? <?> Yes⊳ RUE Press to select AVE to allow use of last average output on input failure. InbP No To save the value press . Press . to go to the next item. PrE Press to select PrE for preset percentage of output. *հո*Քե To save the value press Press to go to the next item. 50.3 Press or to select percentage of output required for SP1 outputs. የ-ይ ፣ To save the value press . Press to go to the next item. Press \(\text{\text{or}} \) or \(\text{\text{V}} \) to select 100 (100% output required for on-off type outputs). To save the value press . Press to go to the next item. Do you want the output used by the Auto / Manual function to be the actual output value? Yes⊳ rEAL Press or to select actual output of control for Auto / Manual. 8P[t No To save the value press . Press to go to the next item. RdJ Press or to select 0 to 100% of the output adjusted between S#OL and S#OH. RP[E To save the value press . Press to go to the next item. OFF Press **v** to disable output shut off feature. SEnC To save the value press Press to go to the next item. Have you selected a current or voltage input? <?> Yes⊳ \Box Press or to select scale value at the low end. SCAL No To save the value press . Press to go to the next item. 100 Press or to select scale value at the high end. SCAX To save the value press . Press to go to the next item.

Do you want to restrict set point settings below a certain point?

Yes Press or to set the lowest allowed set point.

No
To save the value press Press to go to the next item.

Press to go to the next item.

The Secure Menu (Continued)

Have you selected a current or voltage input?

Yes⊳ 0 SCAL. No

Press or to select scale value at the low end.

To save the value press . Press to go to the next item.

100

Press or to select scale value at the high end.

To save the value press . Press . to go to the next item.

Do you want to restrict set point settings below a certain point?

Yes⊳ - 188 SPL No

Press or to set the lowest allowed set point.

To save the value press . Press to go to the next item.

Press **t** ogo to the next item.

Do you want to restric tset point settings above a certain point?

1800 Yes⊳ SPH No

Press or to set the highest allowed setpoint.

To save the value press . Press . to go to the next item.

Press to go to thenext item.

Is the SP1 output used for cooling?

Yes⊳ d 11 S 15E No

Press dir for cooling output (direct acting).

To save the value press . Press . to go to the next item.

rE5

Press to select re for heating (reverse action).

To save the value press Press to go to the next item.

Is Out1 in the Secondary Menu set to tP, PUL, or ProP?

100

Yes ► Is the control configured for proportional current output?

No ∇

Yes⊳ 20 No

Press \(\text{\rm or } \vert \) to select the low limit of the output in percent.

To save the value press . Press . to go to the next item.

5 IOL

Press or to select 0 (0% output required for on-off type outputs).

To save the value press . Press to go to the next item.

Is the control configured for proportional current output?

Yes⊳ 5 IOX No

Press or to select the high limit of the output in percent.

To save the value press . Press to go to the next item.

100 5 IDX Press or to select 100 (100% output required for on-off type outputs).

To save the value press . Press to go to the next item.

The Secure Menu (Continued)

Is Out1 in the Secondary Menu set to on-off?

Yes ▶ Do you want the output to act as a limit?

No

Yes⊳ No

HoLd 5 IrE

Press or to select hold.

Do you want the output to limit on powerup?

Yes⊳ No

OFF 5 12 .

Press or to select off.

To save the value press .

Press to go to the next item.

OFF 5 IP .

Press or to select off.

To save the value press . Press to go to the next item.

Do you want the limit to be suppressed on powerup?

Yes⊳ On. 5 I .H No

Press or toselecton.

To save the value press .

Press to go to the next item.

On. 5114

Press or to selecton.

To save the value press . Press to go to the next item.

Do you want the SP1 lamp on the control to be lit when the output is on?

Yes⊳ No

Don.

Press or to have the SP1 lamp turn on when the output is on.

To save the value press . Press . to go to the next item.

BoFF SILP

Press or to have the SP1 lamp off when the output is on (lamp on when output is off). To save the value press . Press to go to the next item.

Is the control equipped with the second set point (SP2)?

Do you want SP2 to change when SP1 changes?

No

Yes⊳ No

ďΕ 52E

Press or to have the SP2 change when SP1 changes.

To save the value press . Press to go to the next item.

865 52E

Press or to have the SP2 independant of SP1.

To save the value press . Press to go to the next item.

Is the SP2 output used for cooling?

Yes⊳ No

525E

Press to select dir for cooling output (direct acting).

To save the value press . Press to go to the next item.

rΕ 52SE

Press to select re for heating (reverse action).

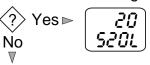
To save the value press . Press . to go to the next item.

The Secure Menu (Continued)

Is Out2 in the Secondary Menu set to tP, PUL, or ProP?

Yes ► Is the control configured for proportional current output?

No



Press or to select the low limit of the output

Press to go to the next item.

520L

Press or to select 0 (0% output required for on-off type

Press to go to the next item.

Is the control configured for proportional current output?

100 Yes⊳ 520XI No

Press or to select the high limit of the output

Press to go to the next item.

100 520X

Press or to select 100 (100% output required for on-off

Press to go to the next item.

Is Out2 in the Secondary Menu set to on-off?

Yes ▶ Do you want the output to act as a limit?

No

Yes⊳ KoLd 52rE No

Press or to select hold.

To save the value press .

Press to go to the next item.

Doyou want the output to limit on power up?

Yes⊳ OFF 528 . No

Press \(\text{\text{\text{or}}} \) or \(\text{\text{V}} \) to select off.

Press to go to the next item.

OFF 520 .

Press or to select off.

Press to go to the next item.

Do you want the limit to be suppressed on power up?

On.

Yes⊳ 52 JH No

Press or to select on.

Press to go to the next item.

Press \(\text{\text{\text{or}}} \) or \(\text{\text{\text{V}}} \) to select off.

Press to go to the next item.

The Secure Menu (Continued)

Do you want the SP2 lamp on the control to be lit when the output is on?

Yes⊳ Oon SelP

Press or to have the SP2 lamp turn on when the output is on. To save the value press .

Press to go to the next item.

Ooff S2LP

Press or to have the SP lamp off when the output is on (lamp on when the output is off). To save the value press.

Press to go to the next item.

Is the control equipped with alarms?

Yes ► Do you want to disable alarm 1?

Yes ►
 OFF
 AL I

Press or to change the value to OFF.

To save the value press .

End of Menu.

Press to go to the next item, AL2 on Page 12.

Do you want alarm 1 to act as a low alarm?

Ŷ Yes ► Lo No

Press or to change the value to Lo.

To save the value press . Press to go to the next item.

Do you want alarm 1 to act as a high alarm?

Yes ► H I
No

Press or to change the value to Hi.

To save the value press . Press to go to the next item.

Do you want alarm 1 to act as both a low and high alarm?

Yes ►
 No

RL!

Press or to change the value to HiLo.

To save the value press . Press to go to the next item.

Do you want alarm 1 to act as a ramp/soak event?

Ŷ Yes⊳ Eunt No RL I

Press or to change the value to HiLo.

To save the value press . Press to go to the next item.

Do you want alarm 1 to track (follow) the set point (SP1)?

Press or to select dE (deviation or tracking) alarm.

To save the value press . Press to go to the next item.

865 8 16

Press or to select AbS (absolute) alarm.

To save the value press . Press to go to the next item.

The Secure Menu (Continued)

Do you want alarm 1 to HoLd (limit) when it trips?

Yes ► Hold
No
A In E

Press or to select HoLd (or limit) when the alarm trips.

To save the value press ... Press to go to the next item.

OnOF A InE

Press or to select OnOF (automatic reset).

To save the value press Press to go to the next item.

If the power goes off, when it is restored do you want alarm 1 to turn on?

Yes ►
 No

OFF A IP .

Press or to select OFF to force the alarm on power up.

To save the value press . Press . to go to the next item.

8 1P ,

Press or to select On to reset the alarm on power up.

To save the value press . Press to go to the next item.

Do you want to inhibit (suppress) alarm 1 on start up?

Ŷ Yes⊳ În No RiH

Press or to select On to inhibit the alarm on power up.

To save the value press . Press to go to the next item.

OFF AI.H

Press or to select OFF to allow the alarm on power up.

To save the value press Press to go to the next item.

Do you want to the alarm 1 contact to open when alarm 1 is on?

Yes⊳ OPEn No R 15b

Press or to select the alarm to OPEn on alarm.

To save the value press . Press to go to the next item.

ELOS R ISE

Press or to select the alarm to CLoS (close) on alarm.

To save the value press . Press to go to the next item.

Do you want the alarm 1 lamp to light when alarm 1 contact closes?

8 ILP

Press or to select lamp on when the contact is closed.

Ooff R ILP

Press or to select lamp off when the contact is made.

To save the value press .

Do you want the Loop Break function to turn on the alarm?

Ŷ Yes ► No 8219

Press or to enable the alarm on a loop break error.

0FF 82Lb

Press or to have the alarm ignore a loop break error.

To save the value press .

This is a continuation of the Secondary Menu when PSEt is set to on.

Do you want to access the ramp soak information from the Primary Menu?

Yes⊳ On. SERE No

Press or to select on.

To save the value press . Press to go to the next item.

OFF 5ERE

Press or to select off.

To save the value press . Press . to go to the next item.

Do you want the segment times to be in seconds?

1_5

668S

Yes⊳ No

Press or to select 1 second time base (seconds).

To save the value press . Press to go to the next item.

80.5 *ŁbRS*

Press or to select 60 second time base (minutes).

To save the value press . Press . to go to the next item.

45 比。

Press or to select time desired for segment 1.

To save the value press . Press to go to the next item.

350 158

Press or to select value for set point 1 (SP1) desired for segment 1.

To save the value press . Press to go to the next item.

Is AL1 programmed as an event alarm?

Yes ► Is AL1 programmed as an event alarm?

No

() | () Yes⊳ No

Press or to select alarm 1 on during segment 1.

To save the value press . Press to go to the next item.

OFF 18 I

Press or to select alarm 1 off during segment 1.

To save the value press . Press .

		10/1001	ico i rogiani	iiiiiig i iov	/ Orlart	
45 26 1			select time desired s 🌅. Press 💭	_		
350 25P			select value for se s 🎒. Press 🗭			nent 2.
	grammed as	an event al	arm?			
Yes ⊳	Is AL1 prog	rammed as	an event alarm?			
Ňo ♥	<pre> Yes ► No ▼</pre>	(28 I	Press or	_		segment 2. to the next item.
	OFF 2R I		or to select e value press		ng segment 2.	
45 36 ,			select time desired s Press 🗭		xt item.	
350 350			select value for se s 🔼. Press 🗖		_	nent 3.
Is AL1 prog	grammed as	an event ala	arm?			
Yes ▶	Is AL1 prog	rammed as	an event alarm?			
No	Yes ► No ▼	38 l	Press or To save the value	_		
	OFF 3R I		or to select e value press		ig segment 3.	
45			select time desired	-	xt item.	
350 45P			select value for se s 🌅. Press 💭			ment 4.
Is AL1 prog	grammed as	an event al	arm?			
Yes⊳	Is AL1 prog	rammed as	an event alarm?			
No ▼	Yes ► No ▼	Un Un	Press or To save the value			segment 4. to the next item.
	OFF 4R I		or to select e value press		ng segment 4.	

	TOA Series Programming Flow Chart
95 56,	Press or to select time desired for segment 5. To save the value press to go to the next item.
350 55P	Press or to select value for set point 1 (SP1) desired for segment 5. To save the value press . Press to go to the next item.
Is AL1 prog	grammed as an event alarm?
Yes ►	Is AL1 programmed as an event alarm?
Ňo ▼	? Yes ► In Save the value press Press In to select alarm 1 on during segment 5. To save the value press In the select alarm 1 on during segment 5. To save the value press In the select alarm 1 on during segment 5. To save the value press In the select alarm 1 on during segment 5. To save the value press In the select alarm 1 on during segment 5. In the select alarm 1 on during segment 5. In the select alarm 1 on during segment 5.
	Press or to select alarm 1 off during segment 5. To save the value press . Press .
45 86 ·	Press or to select time desired for segment 6. To save the value press Press to go to the next item.
350 85P	Press or to select value for set point 1 (SP1) desired for segment 6. To save the value press . Press to go to the next item.
Is AL1 prog	grammed as an event alarm?
Yes ►	Is AL1 programmed as an event alarm?
No	Press or to select alarm 1 on during segment 6. No To save the value press . Press to go to the next item.
	Press or to select alarm 1 off during segment 6. To save the value press . Press .
75 ,	Press or to select time desired for segment 7. To save the value press Press to go to the next item.
350 75P	Press or to select value for set point 1 (SP1) desired for segment 7. To save the value press . Press to go to the next item.
Is AL1 pro	grammed as an event alarm?
Yes ►	Is AL1 programmed as an event alarm?
Ňo ▼	Yes ►
	Press or to select alarm 1 off during segment 7. To save the value press . Press .

45 Press or to select time desired for segment 8. 86, To save the value press . Press to go to the next item. 350 Press or to select value for set point 1 (SP1) desired for segment 8. 85P To save the value press . Press to go to the next item. Is AL1 programmed as an event alarm? Yes ► Is AL1 programmed as an event alarm? No Press or to select alarm 1 on during segment 8. Yes⊳ No To save the value press . Press . to go to the next item. OFF Press or to select alarm 1 off during segment 8. 88 : To save the value press . Press . Press or to select time desired for segment 9. 96, To save the value press Press to go to the next item. 350 Press or to select value for set point 1 (SP1) desired for segment 9. 958 To save the value press . Press to go to the next item. Is AL1 programmed as an event alarm? Yes ► Is AL1 programmed as an event alarm? No On. Press or to select alarm 1 on during segment 9. Yes⊳ 98 I To save the value press . Press to go to the next item. No Press or to select alarm 1 off during segment 9. OFF 98 I To save the value press . Press . 45 Press or to select time desired for segment 10. 10t i To save the value press Press to go to the next item. 350 Press or to select value for set point 1 (SP1) desired for segment 10. 10SP To save the value press . Press to go to the next item. Is AL1 programmed as an event alarm? Yes ► Is AL1 programmed as an event alarm? No On! Yes⊳ Press or to select alarm 1 on during segment 10. No To save the value press . Press . to go to the next item. OFF Press or to select alarm 1 off during segment 10. 108 I To save the value press . Press .

		16A Ser	ries Prograr	nming Flov	√ Chart	
45			select time desire s	_		
350 115P			select value for se s 🔼. Press 🗭			nent 11.
Is AL1 prog	grammed as	an event al	arm?			
Yes ►	Is AL1 prog	grammed as	an event alarm?			
No	Yes ► No		Press or To save the value			
	OFF IIR I		or 🚺 to select e value press 🖪		ng segment 11.	
45 12t 1			select time desired			
350 125P			select value for se s 🗾. Press 🖵			nent 12.
Is AL1 prog	grammed as	an event ala	arm?			
Yes ►	Is AL1 prog	grammed as	an event alarm?			
No	Yes ► No ▼		Press or To save the value			
	OFF 128 I		or to select e value press		ng segment 12.	
45 136 ,			select time desire	_		
350 135P			select value for se s 🌅. Press 🖵		_	nent 13.
Is AL1 prog	grammed as	an event al	arm?			
Yes ►	Is AL1 prog	grammed as	an event alarm?			
No ▼	Yes ► No	13A I	Press or To save the value			segment 13. to the next item.
	0FF 138 1		or to select e value press		ng segment 13.	

	TOA Series Programming Flow Chart
45 146 ,	Press or to select time desired for segment 14. To save the value press to go to the next item.
350 145P	Press or to select value for set point 1 (SP1) desired for segment 14. To save the value press . Press to go to the next item.
Is AL1 prog	grammed as an event alarm?
Yes ►	Is AL1 programmed as an event alarm?
No	? Yes ► In Italian No Italian Press or to select alarm 1 on during segment 14. To save the value press to go to the next item.
	Press or to select alarm 1 off during segment 14. To save the value press . Press .
45 15t ·	Press or to select time desired for segment 15. To save the value press Press to go to the next item.
350 155P	Press or to select value for set point 1 (SP1) desired for segment 15. To save the value press . Press to go to the next item.
Is AL1 prog	grammed as an event alarm?
Yes ►	Is AL1 programmed as an event alarm?
Ňo ▼	? Yes ► On ISR I Press or to select alarm 1 on during segment 15. To save the value press to go to the next item.
	Press or to select alarm 1 off during segment 15. To save the value press . Press .
45 186 ,	Press or to select time desired for segment 16. To save the value press Press to go to the next item.
350 185P	Press or to select value for set point 1 (SP1) desired for segment 16. To save the value press to go to the next item.
Is AL1 prog	grammed as an event alarm?
Yes ►	Is AL1 programmed as an event alarm?
No	Press or to select alarm 1 on during segment 16. To save the value press . Press to go to the next item.
	Press or to select alarm 1 off during segment 16. To save the value press . Press .

The Secondary Menu (Continued)

Do you want the program to repeat?

Yes Press or to select continual repeat of program.

No To save the value press.

Do you want the program to hold the temperature set for segment 16?

Yes Press or to hold the 16SP value.
To save the value press.

Do you want the program to revert to the temperature set by set point 1 (SP1)?

Yes \triangleright Yes \triangleright Press \triangle or \bigcirc to hold the SP1 value. To save the value press \bigcirc .

Do you want the program to turn the output(s) off at the end of the program?

Yes ► Goff
Press or to turn the outputs off.
To save the value press .

This is the end of the programmer section of the Secondary Menu.

Press to go to the next item, InPC.